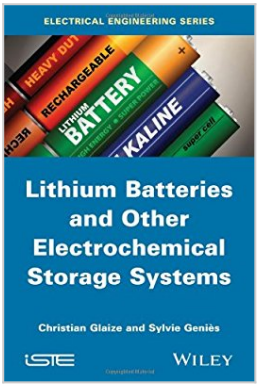

Lithium Batteries and other Electrochemical Storage Systems

By Christian Glaize, Sylvie Genies

Lithium Batteries and other Electrochemical Storage Systems By Christian Glaize, Sylvie Genies

Lithium batteries were introduced relatively recently in comparison to lead- or nickel-based batteries, which have been around for over 100 years. Nevertheless, in the space of 20 years, they have acquired a considerable market share – particularly for the supply of mobile devices. We are still a long way from exhausting the possibilities that they offer. Numerous projects will undoubtedly further improve their performances in the years to come. For large-scale storage systems, other types of batteries are also worthy of consideration: hot batteries and redox flow systems, for example.
This book begins by showing the diversity of applications for secondary batteries and the main characteristics required of them in terms of storage. After a chapter presenting the definitions and measuring methods used in the world of electrochemical storage, and another that gives examples of the applications of batteries, the remainder of this book is given over to describing the batteries developed recently (end of the 20th Century) which are now being commercialized, as well as those with a bright future. The authors also touch upon the increasingly rapid evolution of the technologies, particularly regarding lithium batteries, for which the avenues of research are extremely varied.

Contents

About the Authors

Christian Glaize is Professor at the University of Montpellier, France. He is also Researcher in the Materials and Energy Group (GEM) of the Institute for Electronics (IES), France.
Sylvie Geniès is a project manager at the French Alternative Energies and Atomic Energy Commission (Commissariat à l'Energie Atomique et aux Energies Alternatives) in Grenoble, France.

Lithium Batteries and other Electrochemical Storage Systems

By Christian Glaize, Sylvie Genies

Lithium Batteries and other Electrochemical Storage Systems By Christian Glaize, Sylvie Genies

Lithium batteries were introduced relatively recently in comparison to lead- or nickel-based batteries, which have been around for over 100 years. Nevertheless, in the space of 20 years, they have acquired a considerable market share – particularly for the supply of mobile devices. We are still a long way from exhausting the possibilities that they offer. Numerous projects will undoubtedly further improve their performances in the years to come. For large-scale storage systems, other types of batteries are also worthy of consideration: hot batteries and redox flow systems, for example.
This book begins by showing the diversity of applications for secondary batteries and the main characteristics required of them in terms of storage. After a chapter presenting the definitions and measuring methods used in the world of electrochemical storage, and another that gives examples of the applications of batteries, the remainder of this book is given over to describing the batteries developed recently (end of the 20th Century) which are now being commercialized, as well as those with a bright future. The authors also touch upon the increasingly rapid evolution of the technologies, particularly regarding lithium batteries, for which the avenues of research are extremely varied.

Contents

About the Authors

Christian Glaize is Professor at the University of Montpellier, France. He is also Researcher in the Materials and Energy Group (GEM) of the Institute for Electronics (IES), France.
Sylvie Geniès is a project manager at the French Alternative Energies and Atomic Energy Commission (Commissariat à l’Energie Atomique et aux Energies Alternatives) in Grenoble, France.

Lithium Batteries and other Electrochemical Storage Systems By Christian Glaize, Sylvie Genies Bibliography

- Sales Rank: #3469716 in Books
- Published on: 2013-07-22
- Original language: English
- Number of items: 1
- Dimensions: 9.50" h x 1.00" w x 6.40" l, .0 pounds
- Binding: Hardcover
- 384 pages

Editorial Review

From the Back Cover

Lithium batteries were introduced relatively recently in comparison to lead- or nickel-based batteries, which have been around for over 100 years. Nevertheless, in the space of 20 years, they have acquired a considerable market share – particularly for the supply of mobile devices. We are still a long way from exhausting the possibilities that they offer. Numerous projects will undoubtedly further improve their performances in the years to come. For large-scale storage systems, other types of batteries are also worthy of consideration: hot batteries and redox flow systems, for example.

This book begins by showing the diversity of applications for secondary batteries and the main characteristics required of them in terms of storage. After a chapter presenting the definitions and measuring methods used in the world of electrochemical storage, and another that gives examples of the applications of batteries, the remainder of this book is given over to describing the batteries developed recently (end of the 20th Century) which are now being commercialized, as well as those with a bright future. The authors also touch upon the increasingly rapid evolution of the technologies, particularly regarding lithium batteries, for which the avenues of research are extremely varied.

About the Author

Christian Glaize is Professor at the University of Montpellier, France. He is also Researcher in the Materials and Energy Group (GEM) of the Institute for Electronics (IES), France.

Sylvie Geniès is a project manager at the French Alternative Energies and Atomic Energy Commission (Commissariat à l'Energie Atomique et aux Energies Alternatives) in Grenoble, France.

Users Review

From reader reviews:

Gerard Brand:

The event that you get from Lithium Batteries and other Electrochemical Storage Systems could be the more deep you rooting the information that hide inside the words the more you get considering reading it. It does not mean that this book is hard to be aware of but Lithium Batteries and other Electrochemical Storage Systems giving you thrill feeling of reading. The writer conveys their point in certain way that can be understood by anyone who read the item because the author of this reserve is well-known enough. This book also makes your own personal vocabulary increase well. It is therefore easy to understand then can go with you, both in printed or e-book style are available. We suggest you for having this Lithium Batteries and other Electrochemical Storage Systems instantly.

Nicole Dilbeck:

Reading a e-book tends to be new life style in this particular era globalization. With examining you can get a lot of information which will give you benefit in your life. Together with book everyone in this world can share their idea. Ebooks can also inspire a lot of people. Plenty of author can inspire their particular reader with their story or maybe their experience. Not only the story that share in the ebooks. But also they write about the information about something that you need instance. How to get the good score toefl, or how to teach your sons or daughters, there are many kinds of book that exist now. The authors on earth always try to improve their talent in writing, they also doing some investigation before they write for their book. One of them is this Lithium Batteries and other Electrochemical Storage Systems.

Steven Simon:

Do you have something that you prefer such as book? The publication lovers usually prefer to select book like comic, short story and the biggest the first is novel. Now, why not hoping Lithium Batteries and other Electrochemical Storage Systems that give your satisfaction preference will be satisfied simply by reading this book. Reading practice all over the world can be said as the way for people to know world better then how they react when it comes to the world. It can't be stated constantly that reading habit only for the geeky particular person but for all of you who wants to possibly be success person. So , for all of you who want to start looking at as your good habit, you may pick Lithium Batteries and other Electrochemical Storage Systems become your current starter.

Adriana Cornell:

Don't be worry should you be afraid that this book will probably filled the space in your house, you might have it in e-book approach, more simple and reachable. This specific Lithium Batteries and other Electrochemical Storage Systems can give you a lot of friends because by you investigating this one book you have factor that they don't and make an individual more like an interesting person. That book can be one of one step for you to get success. This guide offer you information that maybe your friend doesn't learn, by knowing more than different make you to be great persons. So , why hesitate? Let's have Lithium Batteries and other Electrochemical Storage Systems.

Read Lithium Batteries and other Electrochemical Storage Systems By Christian Glaize, Sylvie Genies for online ebook

Lithium Batteries and other Electrochemical Storage Systems By Christian Glaize, Sylvie Genies Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Lithium Batteries and other Electrochemical Storage Systems By Christian Glaize, Sylvie Genies books to read online.

Online Lithium Batteries and other Electrochemical Storage Systems By Christian Glaize, Sylvie Genies ebook PDF download

Lithium Batteries and other Electrochemical Storage Systems By Christian Glaize, Sylvie Genies Doc

Lithium Batteries and other Electrochemical Storage Systems By Christian Glaize, Sylvie Genies Mobipocket

Lithium Batteries and other Electrochemical Storage Systems By Christian Glaize, Sylvie Genies EPub

9YGQ8SK1H6D: Lithium Batteries and other Electrochemical Storage Systems By Christian Glaize, Sylvie Genies